

Claims:

What is claimed is:

1. A pail assembly for packaging a first product and a second product comprising:
 - a pail with an opening for containing the first product;
 - a container for containing the second product;
 - a lid assembly having a receptacle to contain and support said container separate from the first product; said lid assembly having a closure member to enclose the first product within the pail; and
 - a lid for closing said container within the receptacle in the lid assembly.
2. The pail assembly of claim 1 where the pail assembly is made of injection molded plastic material.
3. The pail assembly of claim 1 wherein said lid assembly comprises:
 - a) a first substantially planar portion defining an axis along its center;
 - b) an outer flange portion molded on said substantially planar portion and extending from said substantially planar portion at an angle in a first direction, said outer flange portion having means to attach to said pail;
 - c) a receptacle molded into the first substantially planar portion and extending along said axis in substantially the first direction and defining an opening therein
 - d) a protruding portion extending from the first substantially planar portion in a direction substantially opposite the first direction and completely surrounding said opening in said receptacle
4. The pail assembly of claim 1 wherein said container for containing the second product comprises one of:
 - a) a second pail with a lid;
 - b) a sealed bag
 - c) a bottle with a closure.
5. The pail assembly of claim 1 wherein the pail and lid assembly are made of metal.

6. The pail assembly of claim 1 wherein the pail and lid assembly are made of injection molded plastic.
7. The pail assembly of claim 1 wherein said receptacle is tapered.
8. The pail assembly of claim 3 wherein said outer flange is flared outwardly.
9. A pail assembly for packaging a first material and a second material comprising:
 - a) A pail for containing the first material;
 - b) A container for containing the second material;
 - c) means for closing the pail, said means for closing the pail including a receptacle to hold said container outside of said pail; and
 - d) means for enclosing said container in said receptacle.
10. The pail assembly of claim 9 wherein said means for closing the pail comprises a lid assembly including a receptacle to hold said container and means for engaging said means for enclosing.
11. The pail assembly of claim 10 wherein the means for engaging comprises an annular projection with a bead at the upper end thereof; and wherein said means for enclosing is a lid with a plurality of detents to engage said bead.
12. The pail assembly of claim 9 wherein the pail is made of metal.
13. The pail assembly of claim 9 wherein the pail is made of plastic.
14. The pail assembly of claim 9 wherein the means for closing the pail is made of metal.
15. The pail assembly of claim 9 wherein the means for closing the pail is made of plastic.
16. A lid assembly for a pail comprising:

an integrally formed member having:
 - a) a first substantially planar portion defining an axis along its center;
 - b) an outer flange portion molded on said substantially planar portion and extending from said substantially planar portion at an angle in a first direction, said outer flange portion having means to attach to said pail;

- c) a receptacle molded into the first substantially planar portion and extending along said axis in substantially the first direction and defining an opening therein
- d) a protruding portion extending from the first substantially planar portion in a direction substantially opposite the first direction and completely surrounding said opening in said receptacle; and

an external lid having means to attach said lid to said protruding portion.

17. The lid assembly of claim 16 wherein the lid assembly is made of metal.
18. The lid assembly of claim 16 wherein the lid assembly is made of plastic.
19. The lid assembly of claim 16 wherein said receptacle is in the shape of a tapered cylinder.
20. The lid assembly of claim 16 wherein said outer flange portion is flared outwardly.
21. The lid assembly of claim 16 wherein said protruding portion is an annular projection having a bead at the upper end thereof, and said external lid includes a plurality of detents to engage said bead.
22. A method of packaging two materials comprising the steps of:
 - a) filling a pail with a first material;
 - b) filling a container with a second material;
 - c) sealing the container;
 - d) sealing the pail with a lid assembly having a receptacle to receive said container on the outer surface of the receptacle;
 - e) disposing the sealed container on said receptacle; and
 - f) sealing the receptacle containing the container.